



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Benjamin M. Rice
Serial No.: 10/830,171
Filing Date: April 23, 2004
Group Art Unit: 2838
Examiner: Adolf Berhane
Title: SWITCH CONTROLLER FOR A POWER CONTROL SYSTEM AND
METHOD THEREFOR

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING
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Semiconductor Components Industries, LLC

Name of Assignee

Lidia M. Chama
SIGNATURE

9/19/04
DATE

AFFIDAVIT UNDER 37 CFR 1.131

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SIR:

I, Benjamin M. Rice, 141 Pleasant Street #9,
Attleboro, Massachusetts, 02703, being duly sworn, depose
and say that I am the applicant of the above-identified
patent application.

Deponent states that claims 1-3 and 5-20 (hereinafter
"Claims") were rejected under 35 USC 102, based on a
United States Patent No. 7,002,325 B2 of Matthew B. Harris
et. al. (hereinafter "Art"); that I have examined a copy

of the Art which only has an effective United States filing date that relates back to a provisional filing date of October 20, 2003 (hereinafter "Date") and a publication date of April 21, 2005; and that the Art does not claim the rejected inventions.

Deponent states that prior to the Date, I completed, in the United States, the above-referenced inventions as more fully pointed out hereinafter by recital of facts showing conception prior to the Date, coupled with due diligence from prior to said Date to subsequent reduction to practice or filing of the above-identified patent application; and that I made and completed the above-identified inventions while employed by Semiconductor Components Industries, L.L.C (hereinafter "ON Semi") having its principal office in Phoenix, Arizona, assignee of the invention.

Deponent further states that:

1. Attached hereto is a true copy of an engineering drawing of Deponent showing an interconnect configuration and notes illustrating a method of controlling a switch controller which is disclosed by and is in accordance with the above-identified application; and that even though this page does not carry a date, the page was made during an ON Semi meeting conducted at the Crown Plaza resort at a date prior to the Date;

2. Deponent diligently made a detailed drawing of the configuration, a true copy of which is attached hereto; and that the detailed drawing was made as a computer file prior to the Date as shown by the attached filename listing that shows a modification date of the file, which has been blocked off, prior to the Date;

3. Deponent diligently made a detailed flowchart, a true copy of which is attached hereto, more formally illustrating the method of controlling a switch controller in accordance with the detailed drawing and in accordance

with the above-identified application; and that the detailed flowchart was made as a computer file prior to the Date as shown by the attached filename listing that shows a modification date of the file, which has been blocked off, prior to the Date;

4. Deponent diligently made a detailed state diagram, a true copy of which is attached hereto, illustrating different states of the method of controlling a switch controller in accordance with flowchart, the detailed diagram, and in accordance with the above-identified application; that the detailed state diagram bears a date, which has been blocked off, prior to the Date; and that the detailed state diagram was made as a computer file prior to the Date as shown by the attached filename listing that shows a modification date of the file, which has been blocked off, prior to the Date;

5. Deponent diligently reduced to practice the inventions of the above referenced application as shown by a detailed Spice simulation file, a true copy of which is attached hereto; Deponent ran simulations thereof as an actual reduction to practice, the Spice simulation file and simulation thereof being in accordance with the above-identified application; and that the Spice simulation file bears a date, which has been blocked off, prior to the Date;

6. Deponent diligently disclosed the above-identified inventions to the ON Semi Patent department as shown by a hereto attached true copy of a disclosure input and recording form having a date of December 9, 2003;

7. The disclosure input and recording form was reviewed by the ON Semi patent management committee, and a patent application was prepared disclosing and claiming inventions in the disclosure input and recording form; the application was reviewed by Deponent which led to filing of the above-referenced application on April 23, 2004.

Deponent further states that I do not know and do not believe that the invention has been in public use or on sale in this country, or patented or described in a printed publication in this or any foreign country for more than one year prior to the application's filing date and I have never abandoned the invention.

Deponent respectfully prays that the Claims which define his invention, be allowed.

Benjamin M. Rice
Benjamin M. Rice

STATE OF Rhode Island)

COUNTY OF)

I, JUDITH A. KEENAN, a Notary Public in and for the County and State aforesaid, do hereby certify that

BENJAMIN M. RICE

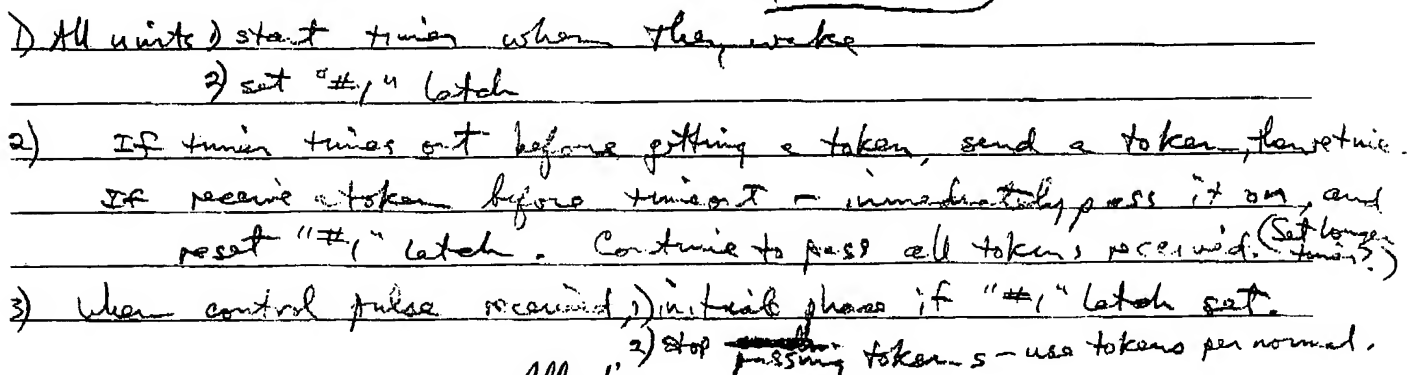
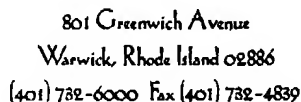
whose name(s) is (are) subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she/they signed, sealed, and delivered the said instrument as his/her/their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 14 day of September, 2006.

Judith A. Keenan
Notary Public
My Commission Expires:

6-27-09

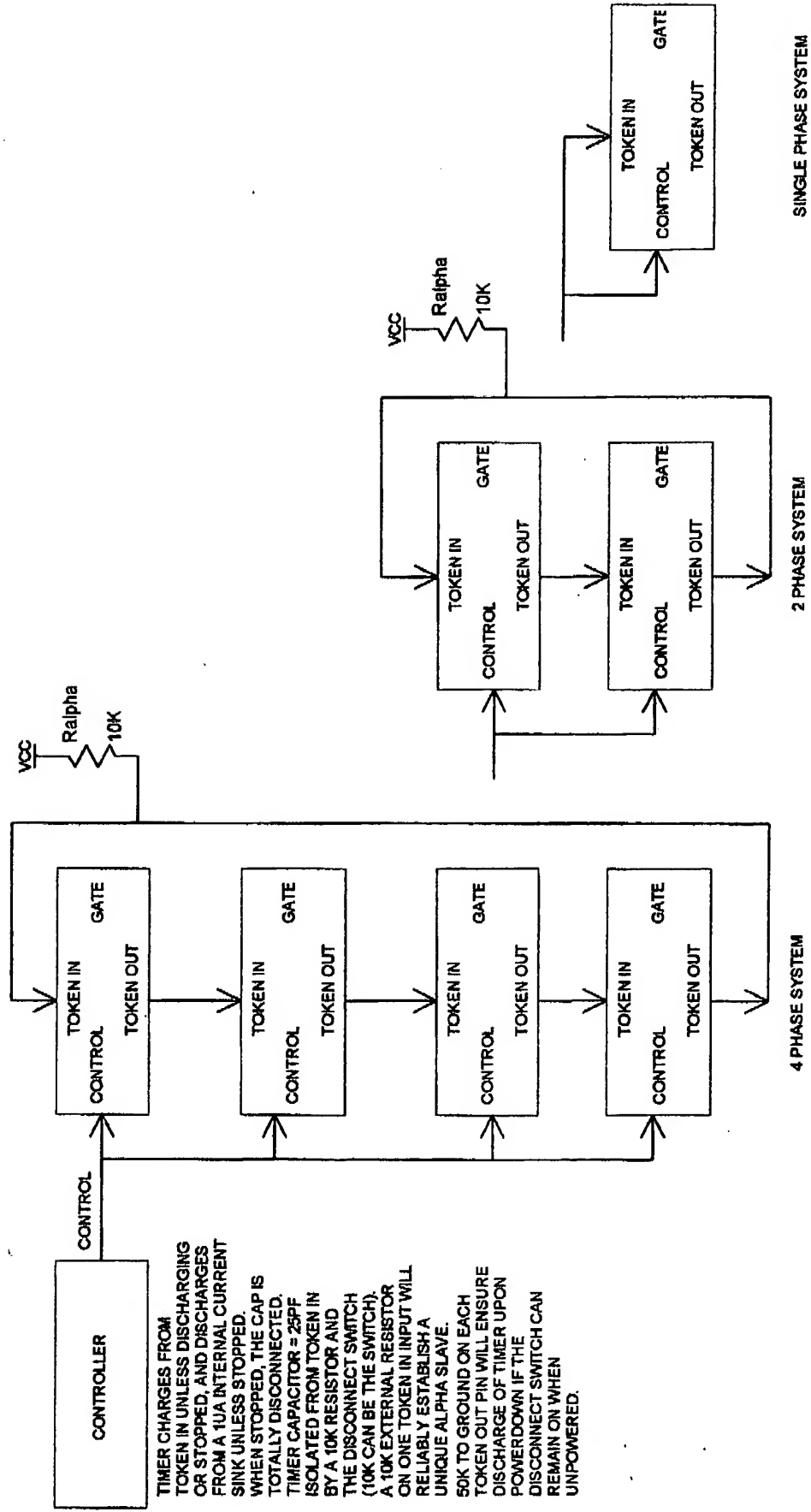
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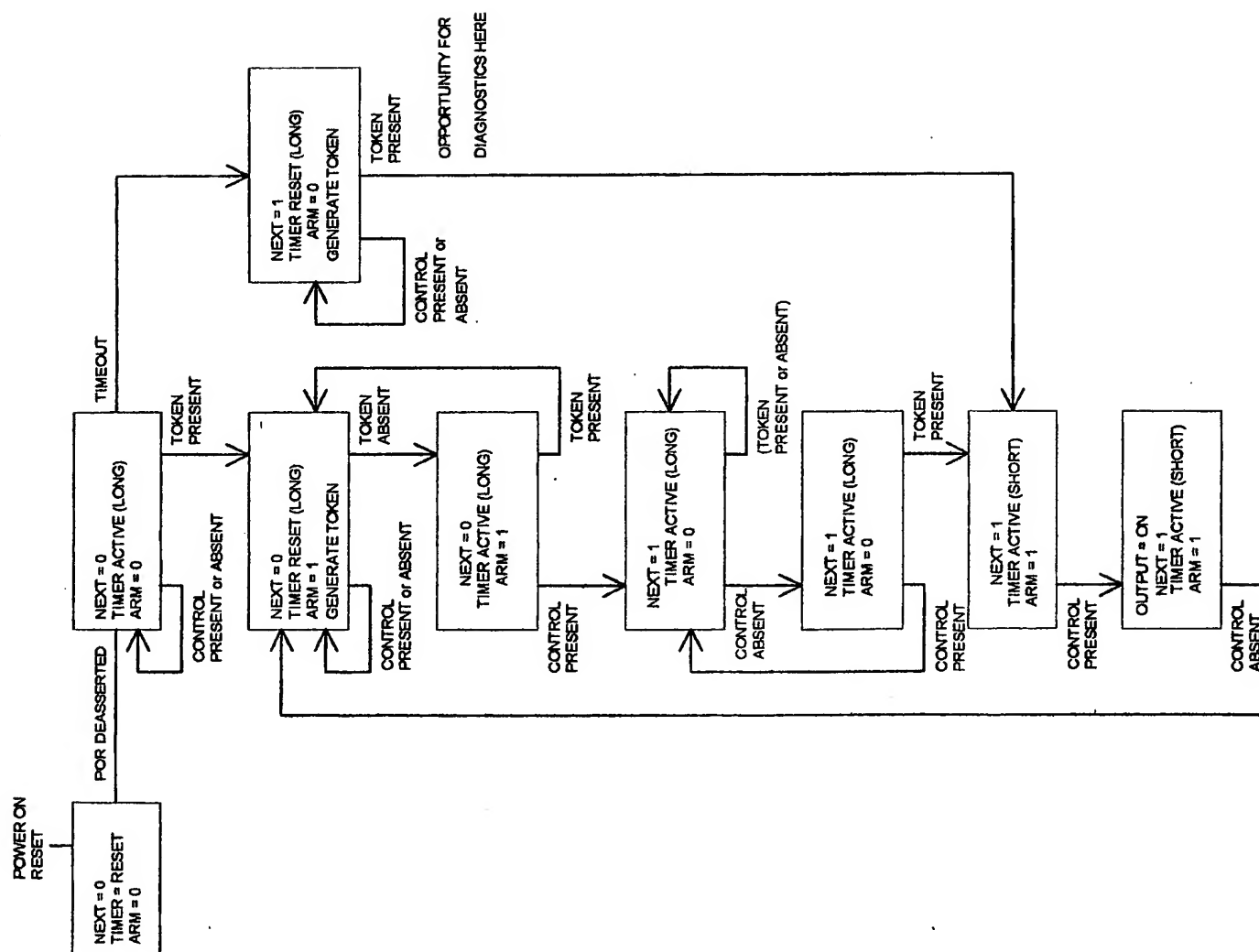
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FOR SINGLE PHASE SYSTEM OR GANGED PHASES, TIE TOKEN IN TO CONTROL IN

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Slave flowchart 4-25.bak	156 KB		
Slave flowchart 4-25.dwg	162 KB		
Slave flowchart 5-01.bak	134 KB		
Slave flowchart 5-01.dwg	141 KB		
Slave flowchart 5-02-03.bak	201 KB		
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Slave logic truth table 5-05.xls	30 KB		
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